

	U	1	Document ID	Issue Date	Pages
1	X		US 6880908 B2	20050419	21
2			US 6850701 B2	20050201	42
3			US 6799906 B2	20041005	41
4			US 6785974 B2	20040907	8
5			US 6757130 B2	20040629	73
6			US 6752542 B2	20040622	42
7			US 6741807 B2	20040525	49
8			US 6727689 B1	20040427	18
9			US 6721111 B2	20040413	42
10			US 6714362 B2	20040330	41
11			US 6687459 B2	20040203	42
12			US 6572211 B2	20030603	18
13			US 6520854 B1	20030218	16
14			US 6520037 B2	20030218	8

	Title	Current OR	Current XRef
1	Inkjet recording apparatus	347/16	400/582
2	Camera having lens barrier	396/79	359/511; 359/700; 396/349; 396/448; 396/85
3	Light intercepting member driving mechanism	396/497	
4	Rotation angle detecting device in which a plurality of slit arrays are arranged along the rotation axis of a code plate	33/1PT	33/707
5	Recording medium exchanging-type recording and reproducing apparatus	360/92	
6	Lens shutter mechanism	396/460	359/740; 396/462; 396/493; 396/497; 396/510
7	Lens assembly	396/72	396/451; 396/462
8	Magnetic-effect sensing apparatus with signal thresholding	324/207.25	324/166; 327/60
9	Lens guide mechanism	359/819	353/100; 359/811; 362/455; 396/526
10	Lens shutter mechanism	359/739	359/738; 359/740; 396/509; 396/510
11	FPC mounting structure	396/72	396/462; 396/542
12	Inkjet recording apparatus	347/16	400/582
13	Roulette wheel assembly and table arrangement	463/17	273/142B; 273/142D; 273/142E; 273/142R; 463/25
14	Gear unit	74/89.18	74/89.2

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1		Ootsubo; Kensei et al.	X						
2		Nomura; Hiroshi et al.	X						
3		Nomura; Hiroshi et al.	X						
4		Sano; Tadashi	X						
5		Yoshida; Tadao et al.	X						
6		Nomura; Hiroshi et al.	X						
7		Nomura; Hiroshi et al.	X						
8		Furlong; Greg R. et al.	X						
9		Nomura; Hiroshi et al.	X						
10		Nomura; Hiroshi et al.	X						
11		Nomura; Hiroshi et al.	X						
12		Ootsubo; Kensei et al.	X						
13		McNally; Gordon	X						
14		Dietrich; Johannes et al.	X						

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1	US 6880908	
2	US 6850701	
3	US 6799906	
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7	US 6741807	
8	US 6727689	
9	US 6721111	
10	US 6714362	
11	US 6687459	
12	US 6572211	
13	US 6520854	
14	US 6520037	

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15			US 6497342 B2	20021224	12
16			US 6424481 B1	20020723	20
17			US 6370336 B1	20020409	30
18			US 6305262 B1	20011023	27
19			US 6300999 B1	20011009	9
20			US 6250552 B1	20010626	24
21			US 6234035 B1	20010522	7
22			US 6190583 B1	20010220	18
23			US 6109556 A	20000829	9
24			US 6105727 A	20000822	9
25			US 6081486 A	20000627	91
26			US 6064636 A	20000516	16
27			US 6015031 A	20000118	11
28			US 5970043 A	19991019	73
29			US 5923911 A	19990713	56
30			US 5897110 A	19990427	69

	Title	Current OR	Current XRef
15	Medicine feeder	221/265	221/121
16	Five and one-quarter inch form factor combination DAT tape drive and cassette magazine loader	360/69	360/92
17	Auxiliary drive system for running-in movable components	396/277	396/280; 396/463
18	Sheet punch device and a sheet punch method	83/670	83/687
19	Optical apparatus	355/44	355/40; 396/1
20	Card reader having means for reducing the size of the card reader	235/475	235/449; 235/477
21	Gear unit	74/89.18	74/89.2
22	Apparatus and method for making slotted rod for optical cable	264/1.29	264/171.13; 264/177.17; 264/211.12
23	Safety belt arrangement for motor vehicles	242/382.2	200/61.58B
24	Carrying apparatus	187/251	187/250
25	Disk drive having a disk loading mechanism	369/30.85	
26	Multiple medium-storage disc changer	369/30.43	
27	Actuating drive with valve units for actuating a friction clutch and an automated shift transmission	192/3.58	192/103F; 192/3.61; 192/85R
28	Disk drive having a disk loading mechanism	720/714	369/30.85; 369/30.89
29	Camera for taking consecutive exposure	396/322	396/326; 396/335
30	Data processing apparatus having a movable hopper table	271/4.01	271/145; 271/164; 271/207; 271/258.01; 271/4.1; 358/1.12; 414/790.3

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
15		Zhang; Bin et al.	X						
16		Theobald, Jr.; William L. et al.	X						
17		Nishinou; Naoyuki et al.	X						
18		Watanabe; Tetsuji	X						
19		Komatsu; Akio et al.	X						
20		Hirasawa; Kenji	X						
21		Dietrich; Johannes et al.	X						
22		Suemori; Shigeru et al.	X						
23		Kopetzky; Robert et al.	X						
24		Nakao; Takashi	X						
25		Fujisawa; Shinichi	X						
26		Leung; Wilson Wai Sing	X						
27		Dorfschmid; Jens et al.	X						
28		Fujisawa; Shinichi	X						
29		Uchiyama; Hiroyuki et al.	X						
30		Fujiwara; Tatsuo	X						

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15	US 6497342	
16	US 6424481	
17	US 6370336	
18	US 6305262	
19	US 6300999	
20	US 6250552	
21	US 6234035	
22	US 6190583	
23	US 6109556	
24	US 6105727	
25	US 6081486	
26	US 6064636	
27	US 6015031	
28	US 5970043	
29	US 5923911	
30	US 5897110	

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31			US 5887201 A	19990323	19
32			US 5886455 A	19990323	24
33			US 5880749 A	19990309	26
34			US 5852597 A	19981222	87
35			US 5848307 A	19981208	55
36			US 5760995 A	19980602	18
37			US 5726515 A	19980310	26
38			US 5715003 A	19980203	12
39			US 5596272 A	19970121	21
40			US 5533822 A	19960709	22
41			US 5510892 A	19960423	31
42			US 5481290 A	19960102	43
43			US 5481283 A	19960102	44
44			US 5473483 A	19951205	9
45	X		US 5471230 A	19951128	44

	Title	Current OR	Current XRef
31	Camera driving stop apparatus	396/86	396/135; 396/136; 396/85; 396/87
32	Vibration driven motor	310/323.01	
33	Recording method and apparatus in which use of recording heads is equalized	347/9	347/12; 347/40; 347/43
34	Recording medium reproducing apparatus accommodating a plurality of recording media and having a reduced height	720/612	369/30.32; 369/30.34; 720/614
35	Camera for taking consecutive exposures	396/322	396/238; 396/335
36	Multi-drive, multi-magazine mass storage and retrieval unit for tape cartridges	360/92	360/98.04
37	Vibration driven motor	310/323.12	
38	Single lens reflex camera and exposure method for same	348/341	348/64; 396/358; 396/447
39	Magnetic sensor with a beveled permanent magnet	324/207.21	324/174; 324/252
40	Recording apparatus with easily assemblable roller	400/641	271/109; 347/104; 400/636; 492/27; 492/30
41	Inclination detecting apparatus and method	356/139.1	250/559.37; 356/400; 356/614
42	Recording apparatus	347/104	347/8; 400/56; 400/652
43	Recovery system and ink jet recording apparatus provided with said recovery system	347/33	
44	Double mode switch device for magnetic recording and reproducing apparatus	360/96.5	
45	Capping means and ink jet recording apparatus using the same	347/29	

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
31		Maeno; Hitoshi	X						
32		Tsukimoto; Takayuki	X						
33		Kikkawa; Shoushi et al.	X						
34		Fujisawa; Shinichi et al.	X						
35		Uchiyama; Hiroyuki et al.	X						
36		Heller; Kenneth L. et al.	X						
37		Tsukimoto; Takayuki et al.	X						
38		Kanno; Kyusei	X						
39		Busch; Nicholas F.	X						
40		Tsukada; Tsao et al.	X						
41		Mizutani; Hideo et al.	X						
42		Watanabe; Fumihiko et al.	X						
43		Watanabe; Fumihiko et al.	X						
44		Choi; Sung H.	X						
45		Saito; Atsushi et al.							

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31	US 5887201	
32	US 5886455	
33	US 5880749	
34	US 5852597	
35	US 5848307	
36	US 5760995	
37	US 5726515	
38	US 5715003	
39	US 5596272	
40	US 5533822	
41	US 5510892	
42	US 5481290	
43	US 5481283	
44	US 5473483	
45	US 5471230	

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46	X		US 5416762 A	19950516	31
47	X		US 5402285 A	19950328	21
48	X		US 5357915 A	19941025	26
49	X		US 5337848 A	19940816	5
50	X		US 5287137 A	19940215	32
51	X		US 5264974 A	19931123	15
52	X		US 5250980 A	19931005	26
53	X		US 5172225 A	19921215	33
54	X		US 5166707 A	19921124	44
55	X		US 5092698 A	19920303	17
56	X		US 5084729 A	19920128	25
57	X		US 5061994 A	19911029	32
58	X		US 5050199 A	19910917	14
59	X		US 4914465 A	19900403	19

	Title	Current OR	Current XRef
46	Improved disc cartridge and recording and/or reproducing apparatus having means for positioning a turntable and disc cartridge support structure and means for reducing vibrations	720/715	360/99.06; 720/698
47	Five and one-quarter inch form factor combination DAT tape drive and cassette magazine loader	360/69	360/71; 360/92
48	Valve system for internal combustion engine	123/90.16	123/90.17; 123/90.31
49	Hybrid drive for a motor vehicle	180/65.2	180/65.7; 477/4; 477/5
50	Encoder device	396/87	355/61; 396/292
51	Cassette loading system	360/92	360/71
52	Slit scanning exposure apparatus	355/32	355/71; 355/74
53	Endoscope system	348/74	600/109
54	Ink jet recording apparatus having easy-access recording medium conveyance route	347/3	346/104; 346/145; 347/108; 347/22; 347/32; 347/89; 358/296
55	Platen roller apparatus	400/649	101/409; 271/277; 400/645.4
56	Slit scanning exposure apparatus	355/74	355/50; 355/71; 399/213
57	Endoscope device using a display and recording system with means for monitoring the status of the recording medium	348/74	386/125; 600/109
58	Radiographic apparatus	378/146	378/147
59	Single-reflex camera driven by motor	396/213	396/358

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
46		Ohmori; Kiyoshi et al.							
47		Theobald, Jr.; William I. et al.							
48		Yamamoto; Toshio et al.							
49		Bader; Christian							
50		Hara; Minoru et al.							
51		Campbell; Kenneth C. et al.							
52		Yakubo; Minoru et al.							
53		Takahashi; Yutaka							
54		Watanabe; Fumihiko et al.							
55		Narui; Youichi et al.							
56		Yakubo; Minoru et al.							
57		Takahashi; Yutaka							
58		Watanabe; Naoto							
59		Saegusa; Takashi et al.							

	Image Doc. Displayed	PT
46	US 5416762	
47	US 5402285	
48	US 5357915	
49	US 5337848	
50	US 5287137	
51	US 5264974	
52	US 5250980	
53	US 5172225	
54	US 5166707	
55	US 5092698	
56	US 5084729	
57	US 5061994	
58	US 5050199	
59	US 4914465	

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60	X		US 4844446 A	19890704	19
61	X		US 4815873 A	19890328	6
62	X		US 4809186 A	19890228	14
63	X		US 4796244 A	19890103	26
64	X		US 4766936 A	19880830	11
65	X		US 4759046 A	19880719	11
66	X		US 4741556 A	19880503	15
67	X		US 4714274 A	19871222	15
68	X		US 4701900 A	19871020	19
69	X		US 4675841 A	19870623	93
70	X		US 4576149 A	19860318	23
71	X		US 4561325 A	19851231	7
72	X		US 4505167 A	19850319	13
73	X		US 4478254 A	19841023	5
74	X		US 4471441 A	19840911	56
75	X		US 4377333 A	19830322	29

	Title	Current OR	Current XRef
60	Multiple-compartment currency stacker-sorter	271/296	271/181
61	Initializing method for printing type rings in printer	400/154.4	101/93.21; 250/231.14; 400/162.3
62	Postage meter for metering mixed weight mail	705/406	101/91; 101/94; 705/410
63	Disc player	369/30.87	
64	Card switching apparatus for dobby	139/324	139/329; 139/68
65	Apparatus for measuring the thickness profile of rolled strips	378/54	378/146
66	Seat belt retractor	280/807	242/374; 242/375.3
67	Seat belt retractor	280/801.1	180/268; 242/385; 280/806; 297/475
68	Disc players fitted for automatic change of discs	369/30.84	369/194; 369/30.83; 369/30.85
69	Micro computerized electronic postage meter system	705/402	705/403; 705/410; D18/51
70	Massager	601/99	601/116
71	Transmission and range box control	74/745	74/473.34
72	Floating pawl structure providing compound angular yieldability	74/577R	188/82.7; 188/82.77; 273/143R
73	Device for actuating shedding motion searching and slow speed operation on a loom	139/1E	139/336; 139/66R; 403/358
74	Electronic postal meter system	705/410	
75	Recording apparatus	399/18	399/122; 399/23; 399/317; 399/384

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
60		Thie; Matthew G. et al.							
61		Hori; Fumihisa							
62		Freeman; Gerald C. et al.							
63		Tsuruta; Yukiyasu et al.							
64		Takada; Hiroshi							
65		Kopineck; Hermann-Josef et al.							
66		Nagashima; Hideyuki							
67		Nagashima; Hideyuki							
68		Hasegawa; Norio et al.							
69		Check, Jr.; Frank T. et al.							
70		Otuka; Shinpei et al.							
71		Jester; Terry L.							
72		Nicolaus; Frank G.							
73		Beaudoux; Michel et al.							
74		Check, Jr.; Frank T.							
75		Tsuji; Takao et al.							

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60	US 4844446	
61	US 4815873	
62	US 4809186	
63	US 4796244	
64	US 4766936	
65	US 4759046	
66	US 4741556	
67	US 4714274	
68	US 4701900	
69	US 4675841	
70	US 4576149	
71	US 4561325	
72	US 4505167	
73	US 4478254	
74	US 4471441	
75	US 4377333	

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76	X		US 4322614 A	19820330	13
77	X		US 4306299 A	19811215	84
78	X		US 4271481 A	19810602	57
79	X		US 4262853 A	19810421	20
80	X		US 4262852 A	19810421	19
81	X		US 4251874 A	19810217	85
82	X		US 4174815 A	19791120	25
83	X		US 4050374 A	19770927	12
84	X		US 4049278 A	19770920	27
85	X		US 3978457 A	19760831	82
86	X		US 3934121 A	19760120	12
87	X		US 3843917 A	19741022	25
88	X		US 3832873 A	19740903	11
89	X		US 3708029 A	19730102	9
90	X		JP 2003130638 A	20030508	16
91	X		JP 06028736 A	19940204	14

	Title	Current OR	Current XRef
76	Ticket reader	235/458	235/474; 235/475
77	Postage meter having means transferring data from a working memory to a non-volatile memory under low power conditions	705/405	
78	Micro computerized electronic postage meter system	705/405	705/410
79	Apparatus for winding armatures	242/433.3	242/433.4; 29/732; 29/735
80	Method for winding armature cores	242/433.3	242/433.4; 242/439.5; 29/598
81	Electronic postal meter system	705/410	177/25.15
82	Apparatus for winding armatures	242/433.3	242/433.4
83	Meter setting mechanism	101/91	101/110; 101/45
84	Automatic record changer	369/189	369/203; 369/205; 369/207; 369/208; 369/212
85	Microcomputerized electronic postage meter system	705/402	177/25.15; 705/410
86	Counter means	377/92	235/453; 377/13; 377/20; 377/55
87	FORM INDEX PULSE GENERATOR	318/696	400/583.2
88	MULTIPLE CODE CODED MECHANISM	70/291	70/305; 70/315
89	SYSTEM FOR GUIDING VEHICLES	180/401	104/244.1
90	ROTATION ANGLE SENSING DEVICE		
91	MODE CHANGEOVER MECHANISM FOR RECORDING AND REPRODUCING DEVICE		

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
76		Sloan; Donald A. et al.							
77		Check, Jr.; Frank T. et al.							
78		Check, Jr.; Frank T. et al.							
79		Dammar; Raymon H.							
80		Dammar; Raymon H.							
81		Check, Jr.; Frank T.							
82		Dammar; Raymon H.							
83		Check, Jr.; Frank T.							
84		Dennis; James T.							
85		Check, Jr.; Frank T. et al.							
86		Kratt; Kurt et al.							
87		Hoffman; Paul R.							
88		Barnette; Jon H.							
89		Sedgfield; Hugh B. et al.							
90		UMEHARA, KEIICHI							
91		SHIBATA, MASAACKI et al.							

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76	US 4322614	
77	US 4306299	
78	US 4271481	
79	US 4262853	
80	US 4262852	
81	US 4251874	
82	US 4174815	
83	US 4050374	
84	US 4049278	
85	US 3978457	
86	US 3934121	
87	US 3843917	
88	US 3832873	
89	US 3708029	
90	JP 2003130638 A	
91	JP 06028736 A	

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92	X		JP 03147563 A	19910624	8
93	X		JP 62021563 A	19870129	8
94	X		JP 57193994 A	19821129	7
95	X		JP 57023813 A	19820208	5
96	X		DE 19707141 A1	19980827	6

	Title	Current OR	Current XRef
92	MULTIDISK PLAYER		369/191
93	SHEET MATERIAL FEEDER		400/616.3
94	DETECTION METHOD FOR PULSE MOTOR REFERENCE POSITION		318/254
95	PULSE GENERATOR		327/291
96	Automobile gearbox gear selection lever position detection device		

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
92		SERA, NOBUO							
93		HIRANO, HIROFUMI							
94		HIRABAYASHI, YUJI et al.							
95		SAKAGUCHI, MASAKAZU							
96		RUEDIGER, REINHARD							

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92	JP 03147563 A	
93	JP 62021563 A	
94	JP 57193994 A	
95	JP 57023813 A	
96	DE 19707141 A1	